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AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A nitride-semiconductor comprising comprising:

a metal oxide layer,

a first nitride layer which includes said metal, formed on said metal oxide layer,

a second nitride buffer layer formed [[on]] <u>over</u> said first nitride buffer layer,

a third nitride buffer layer which does not include said metal, said third nitride buffer layer being formed between said first nitride buffer layer and said second nitride buffer, and

a nitride layer formed [[on]] over said nitride buffer layers.

- 2. (Original) The nitride semiconductor of claim 1, wherein said metal oxide layer is a sapphire substrate and said metal is aluminum.
- 3. (Original) The nitride semiconductor of claim 1, wherein said first and second nitride buffer layers include indium.
- 4. (Original) The nitride semiconductor of claim 1, wherein said second nitride buffer layer is a bivalent nitride layer.

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5. (Cancelled)

6. (Original) The nitride semiconductor of claim 1, wherein nitride

film is formed between said metal oxide layer and first nitride buffer layer.

(Withdrawn) A method of manufacturing a nitride semiconductor 7.

comprising the first step of forming, on a metal oxide layer, a first nitride buffer

layer including said metal;

a second step of forming a bivalent nitride buffer layers on said first

nitride buffer layers; and

a third step of forming a nitride semiconductor on said second nitride

buffer layer.

(Withdrawn) The method of manufacturing a nitride semiconductor 8.

of claim 7, wherein said metal oxide layer is a sapphire substrate and said

metal is aluminum.

(Withdrawn) The method of manufacturing a nitride semiconductor 9.

of claim 7, wherein in said first step, said first nitride buffer layer including

said metal is formed on said metal oxide layer by the crystal growth method,;

in said second step, said bivalent nitride buffer layers is formed on said

first nitride buffer layers by the crystal growth method; and

in said third step, said nitride semiconductor is formed on said second

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nitride buffer layer by the crystal growth method.

10. (Withdrawn) The method of manufacturing a nitride semiconductor

of claim 7, wherein said first nitride buffer layer including metal and said

second nitride buffer layer include Indium.

11. (Withdrawn) The method of manufacturing a nitride semiconductor

of claim 7, wherein said second nitride buffer layer is bivalent nitride layer.

12. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 7, comprising, an additional step of forming third nitride buffer layer

which does not include said metal, on the said first nitride buffer layer, after

said first step.

13. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 7, wherein said first nitride buffer layer is a AlxGayInzN (0< $x \le 1$, 0 $\le y$

 ≤ 1 , $0 \leq z \leq 1$) layer.

14. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 7, wherein said third nitride buffer layer is the GaxInyN and $(0 \le x \le 1,$

 $0 \le y \le 1$).

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15. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 7, wherein said second nitride buffer layer is a layer of one selected

from AIN, GaN, InN, and SiNx.

16. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 15, wherein said nitride semiconductor layer is a GaN layer.

17. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 7, comprising additional step of forming a nitride film, after second

step.

18. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 17, wherein said nitride film is formed on sapphire substrate by

treating sapphire substrate at the high temperature and letting ammonia (NH₃)

flow thereon.

19. (Withdrawn) The method of manufacturing nitride semiconductor

of claim 12, wherein said first nitride buffer layer, said second nitride buffer

layer and said third nitride buffer layer are grown at the condition of 400 - 600

C to have thickness of 10-1000 Å.

20. (New) The nitride semiconductor of claim 1, wherein said third

nitride buffer layer as formed from GaxInyN where $0 \le x \le 1$ and $0 \le y \le 1$.

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21. (New) The nitride semiconductor of claim 1, wherein said first nitride buffer layer, said second nitride buffer layer and said third nitride buffer layer each have a thickness of 10-1000 Å.